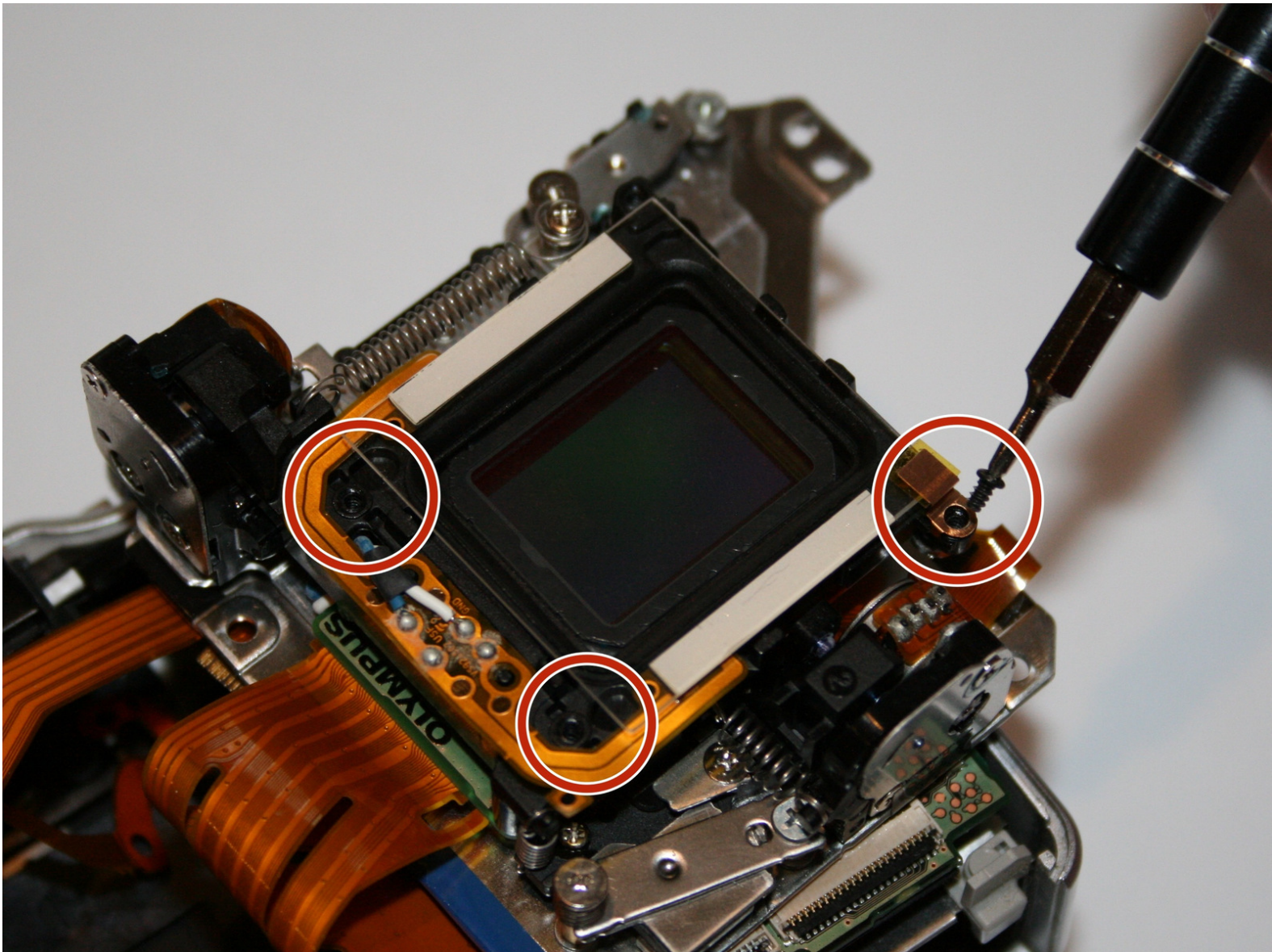




Olympus E-P11 Sensor Lens Replacement

This guide uses the "Opening the Case", and "Internal Assembly" guides as prerequisites for replacing the sensor lens. These guides are included as steps 1-10. This guide will help the user to replace the sensor lens on the camera.

Written By: Jeffery Smith



INTRODUCTION

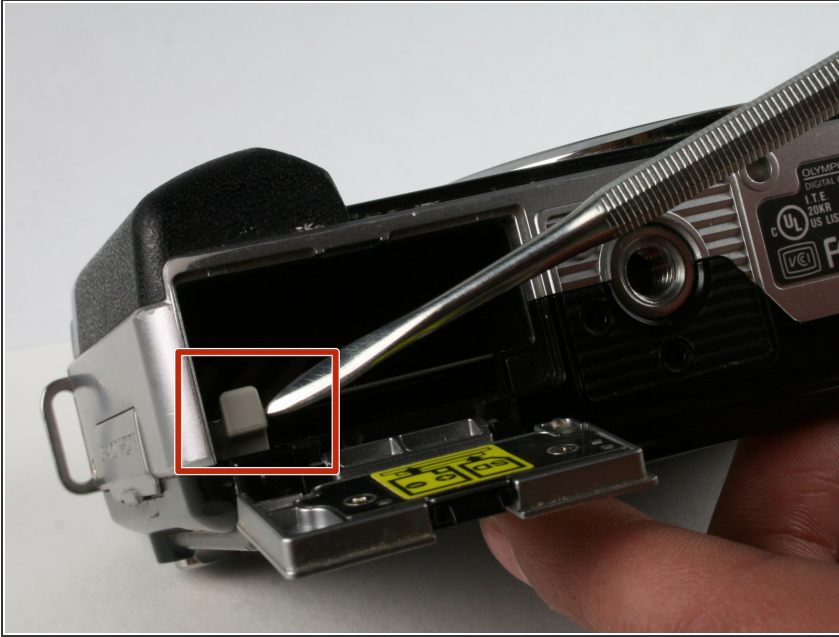
This guide is designed to teach an ifixit user to replace the sensor lens for an Olympus E-PL1 camera.



TOOLS:

- [Phillips #000 Screwdriver](#) (1)
 - [Spudger](#) (1)
 - [Tweezers](#) (1)
 - [Soldering Station](#) (1)
-

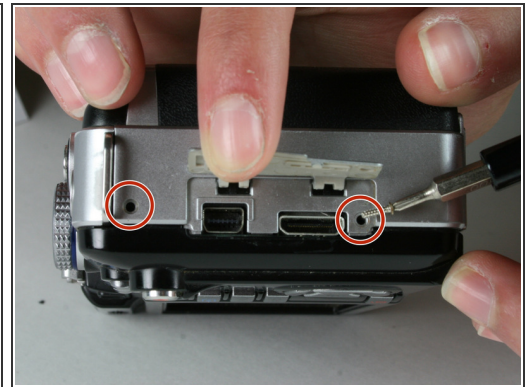
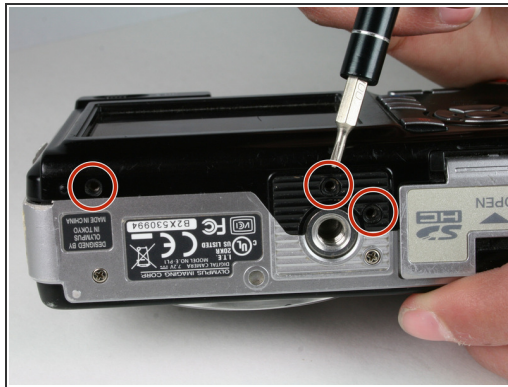
Step 1 — Opening The Case



- Push the gray tab down, using a spudger if necessary, and the battery will come out.

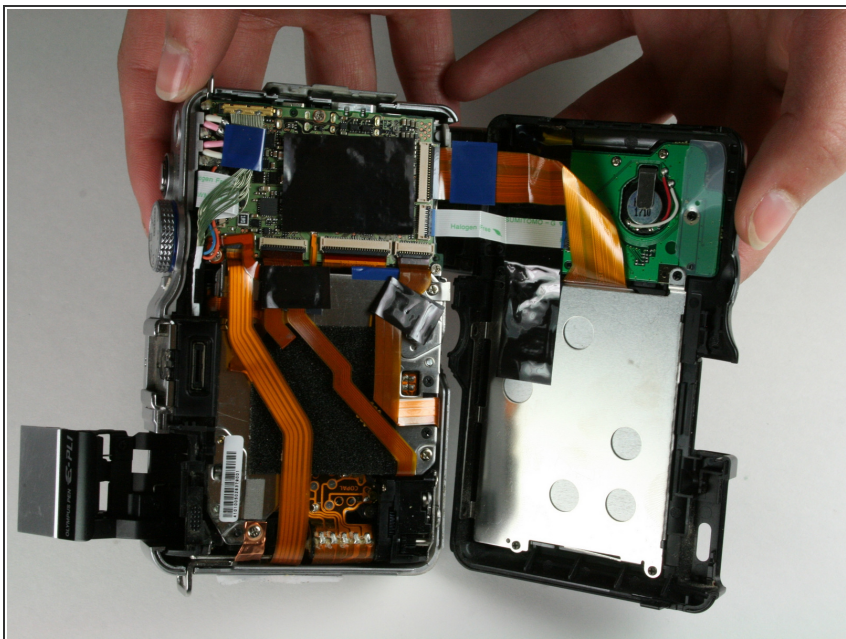
⚠ Failure to remove the battery prior to disassembly can result in harm.

Step 2



- There are a total of six screws that must be removed using the the #000 Philips screwdriver.
- As per picture one: there is one 4.9 mm Philips head screw on the left side of the camera.
- As per picture two: on the bottom of the camera, there are three 3.4 mm Philips head screws; these are located on the darker area of the case.
- As per picture three: there are two 5.3 mm Philips head screws on the right side, one is beneath the USB cover.

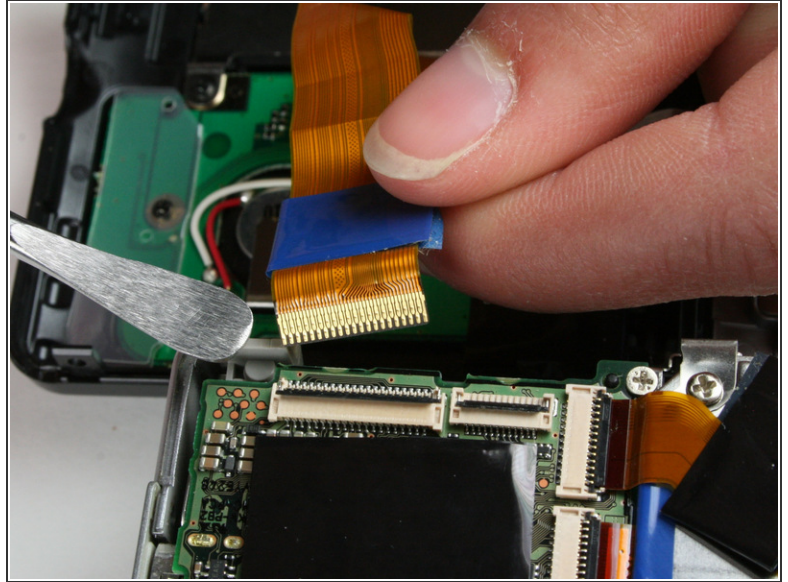
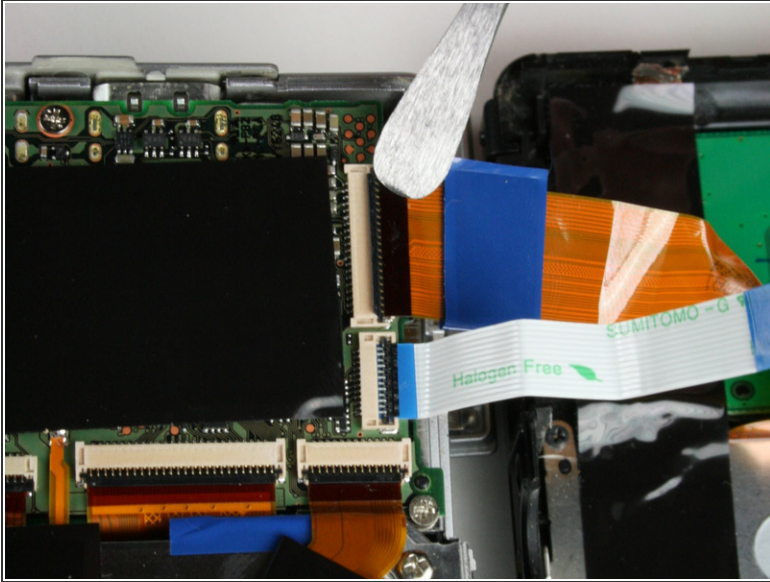
Step 3



- Open the case by peeling off the back panel.

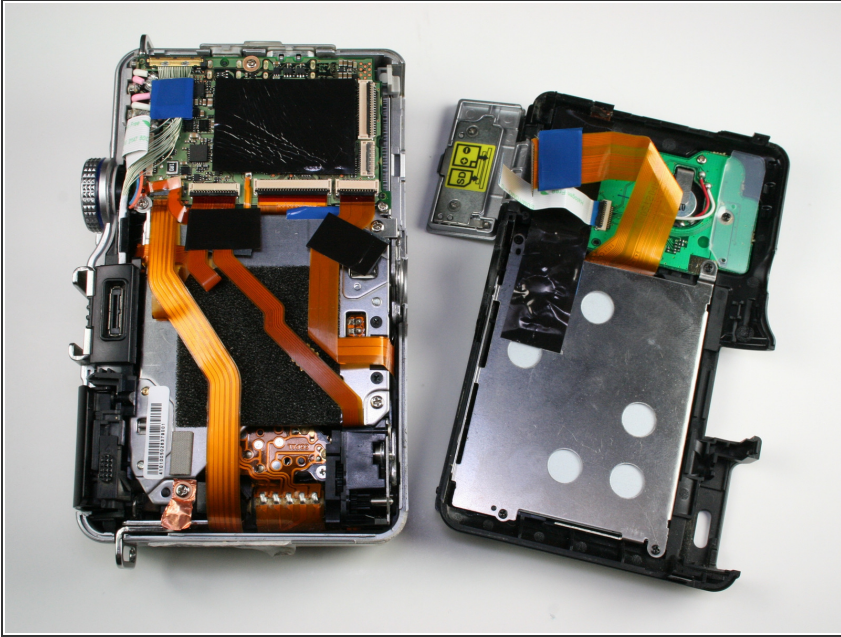
⚠ Pull the case apart gently so that the ribbon connector will not tear.

Step 4



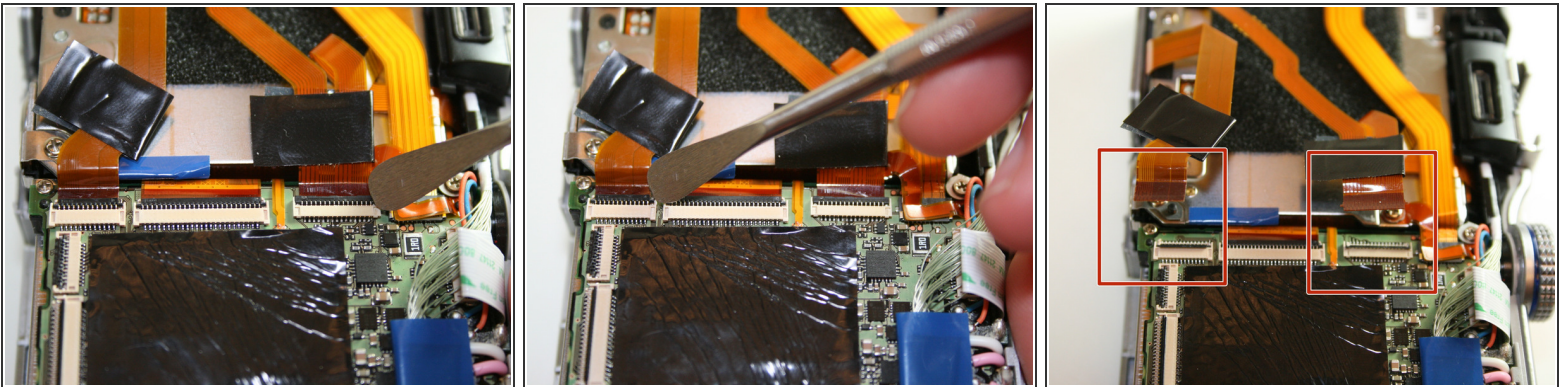
- Disconnect the two ribbon cables as shown in picture one.
- ⚠ Avoid using metal pry tools, as shown in the photo, on internal electronic components, as it can cause a short and damage the device. Use an ESD-safe tool such as a standard nylon spudger.
- ℹ To disconnect a ribbon cable, use a spudger to lift the black tab then pull the ribbon out. This works the same for all ribbon cables.

Step 5



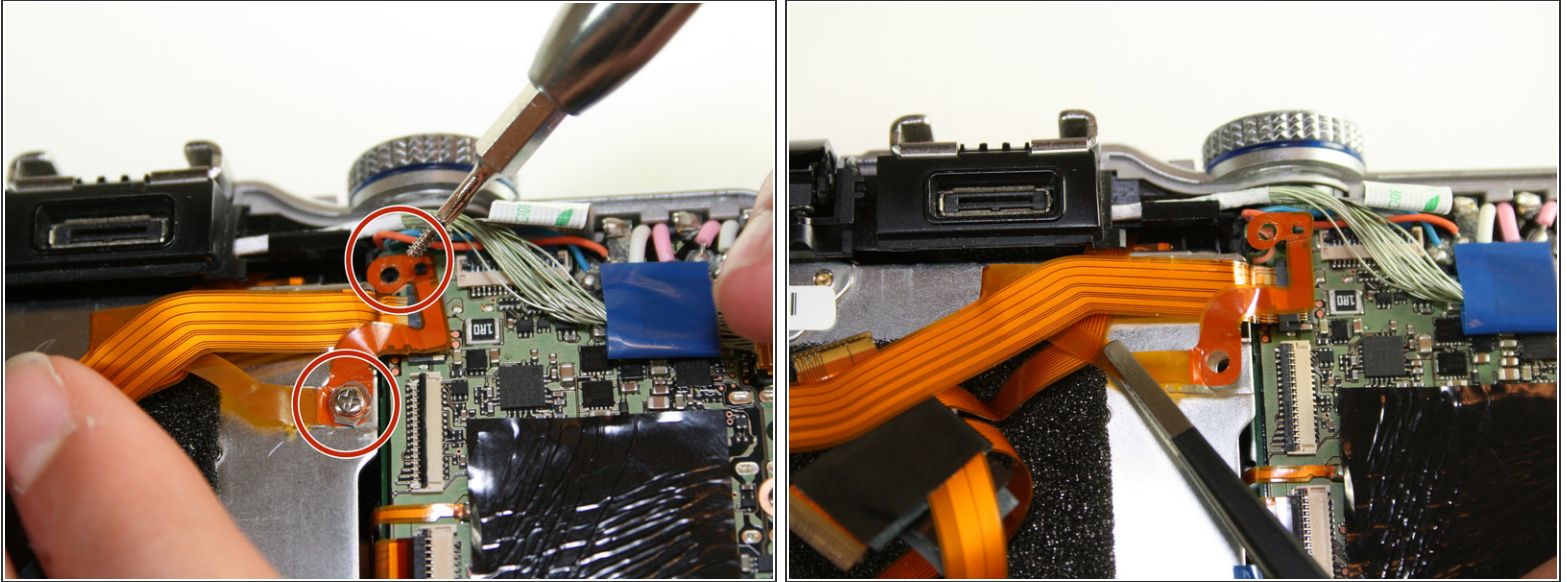
- The back panel has now been removed.

Step 6 — Sensor Assembly



- Using a spudger, remove the ribbon cables by pushing the black tab back and gently pulling the cable out.
- ⚠ Avoid using metal pry tools, as shown in the photo, on internal electronic components, as it can cause a short and damage the device. Use an ESD-safe tool such as a standard nylon spudger.
- Do this process for the two ribbon cables shown in the third photo.

Step 7

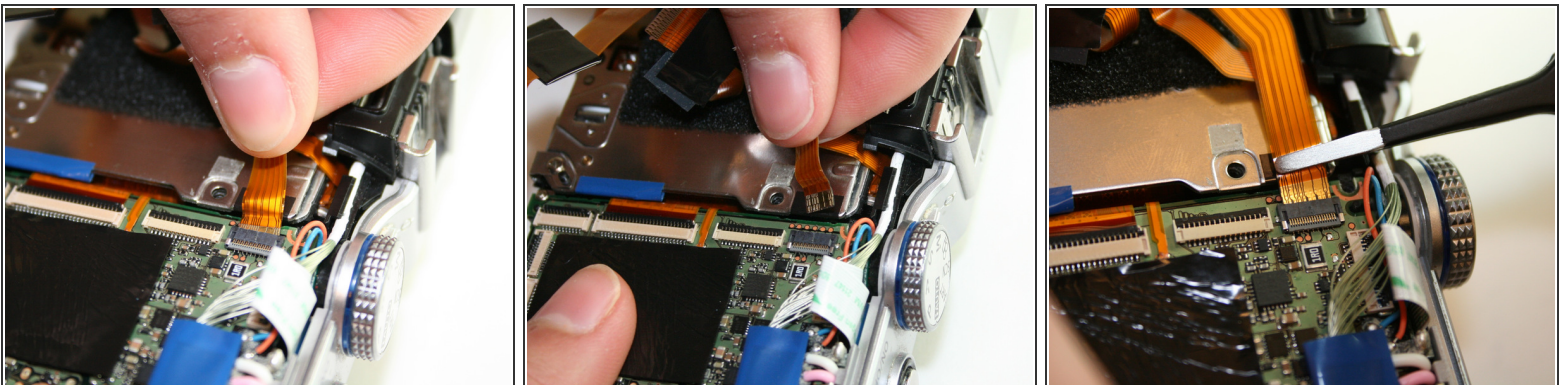


- Using the #000 Phillips screwdriver, remove the 4.3 mm screw as shown by the screwdriver and the 6.0 mm screw holding down the ribbon.

☑ **These screws have washers on them, do not to lose them.**

- Using tweezers, gently lift the ribbon off the sticky pad.

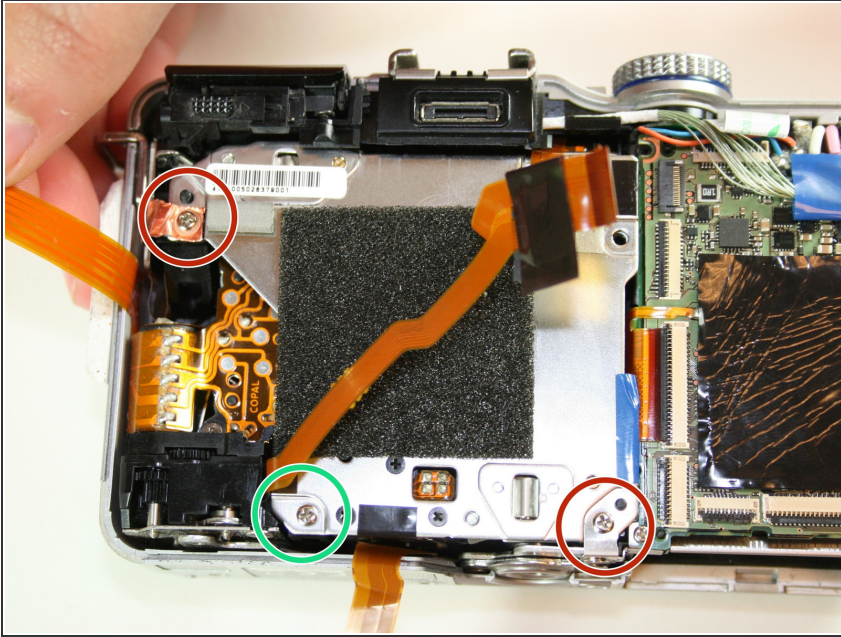
Step 8



- Using your fingers, gently pull the top ribbon cable out. This cable does not have a black clip holding it in place and therefore some force will be required to remove it.

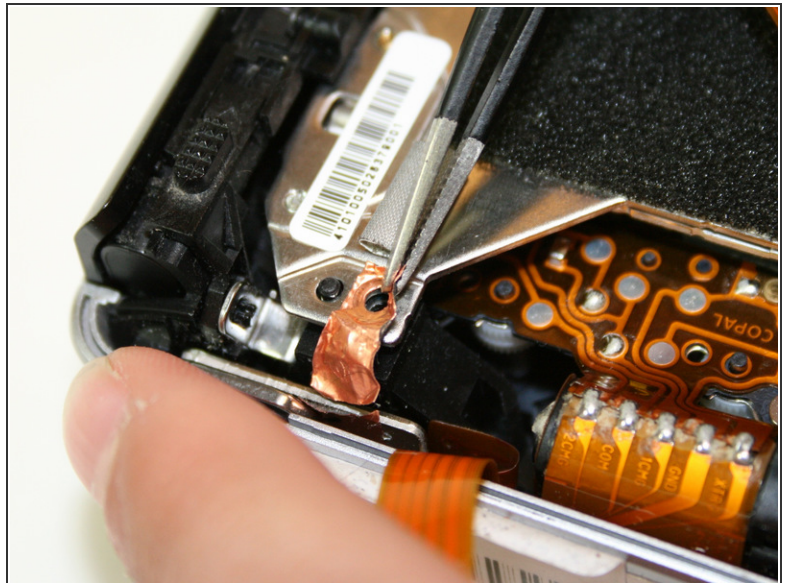
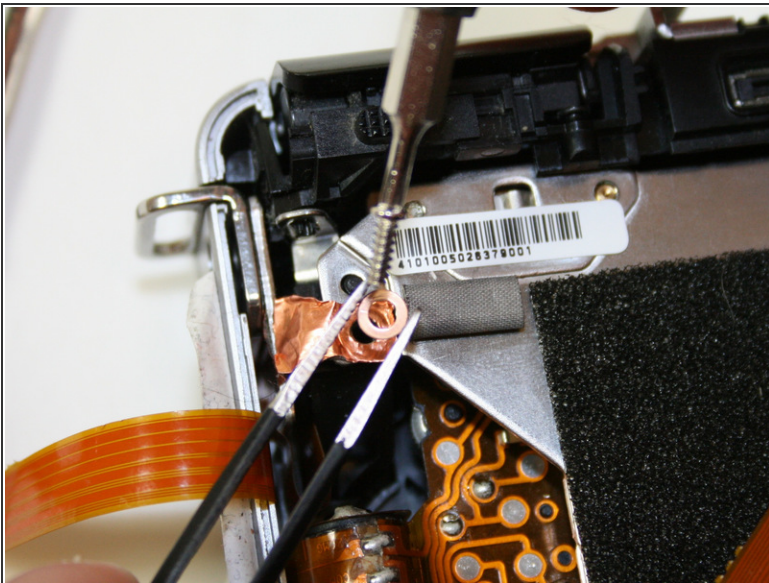
☑ *Reassembly note: tweezers will help reinsert this cable into its connector as force will be required to insert it.*

Step 9



- Using a #000 Phillips screwdriver, remove the 6.0 mm screw on the bottom left hand corner. You can locate the screw on the picture as the green circle.

Step 10



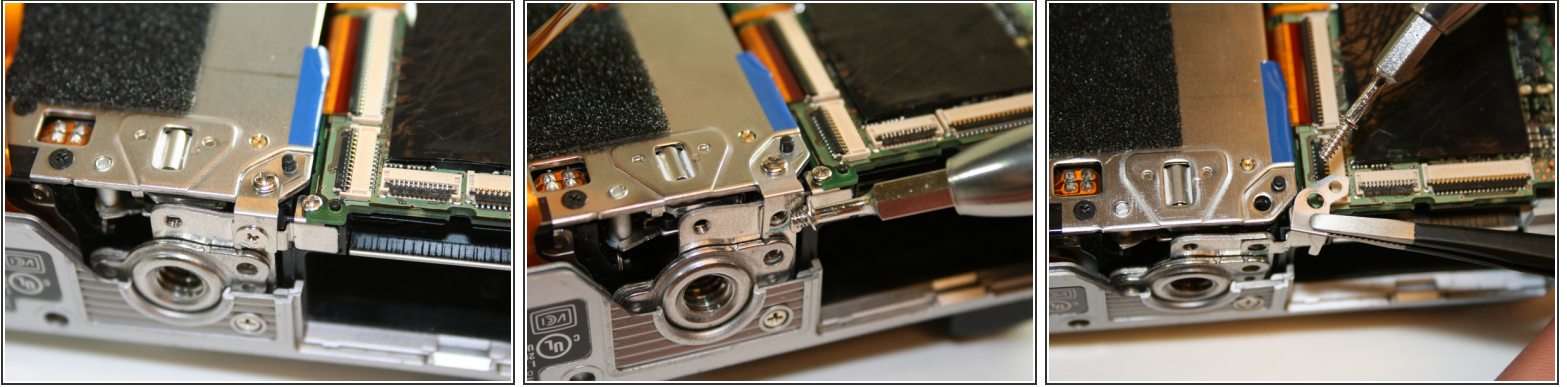
- In the upper left hand corner, use the #000 Phillips screwdriver to remove the 6.0 mm screw.

✦ *Retain the copper washer held in by this screw.*

- Using tweezers gently lift the copper grounding strip.

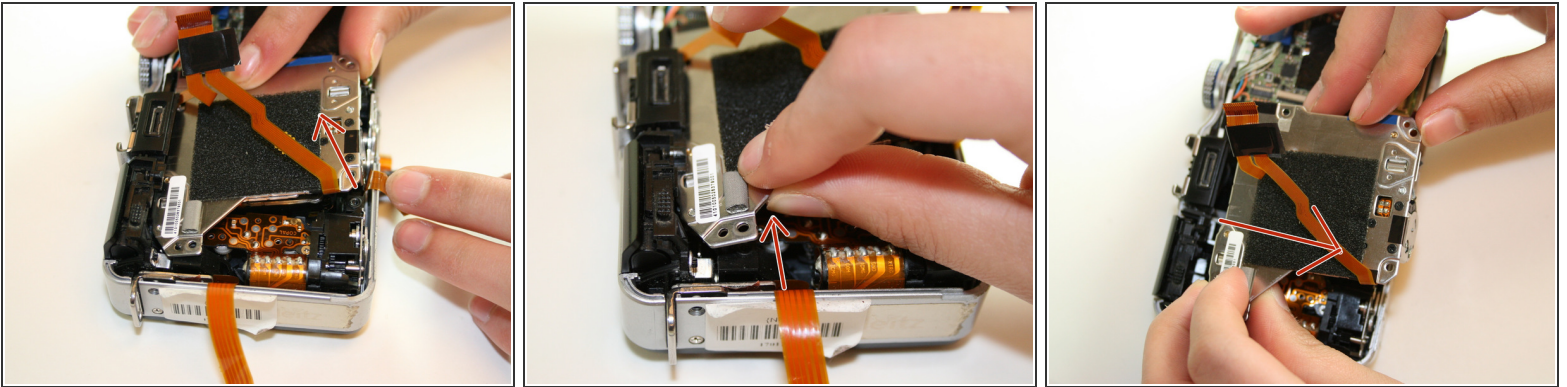
⚠ **Do not tear the strip as you pull it off, it must stay attached to the main camera body.**

Step 11



- Remove the bracket in the lower right hand corner. In order to do so, you must remove two different screws.
- Using the #000 Phillips screwdriver, remove the 2.4 mm screw on the bottom.
- Using the #000 Phillips screwdriver, remove the 6.0 mm screw on the top and lift off the bracket.

Step 12

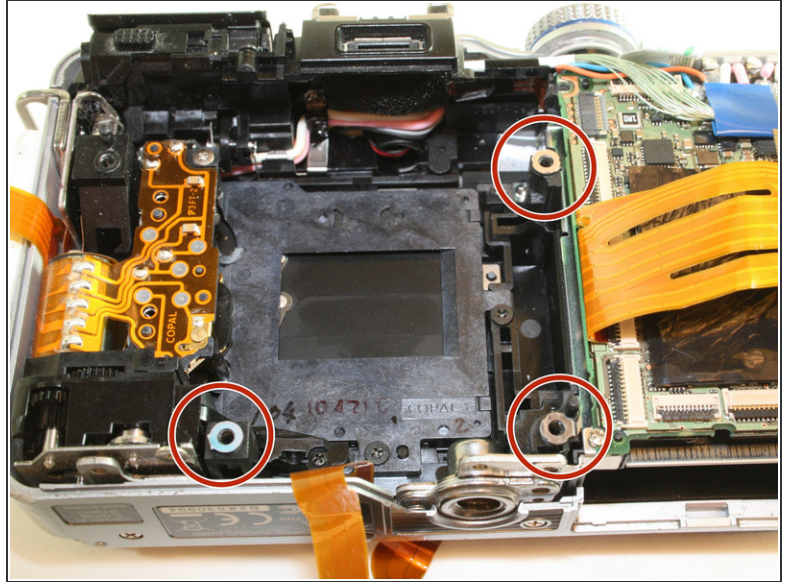
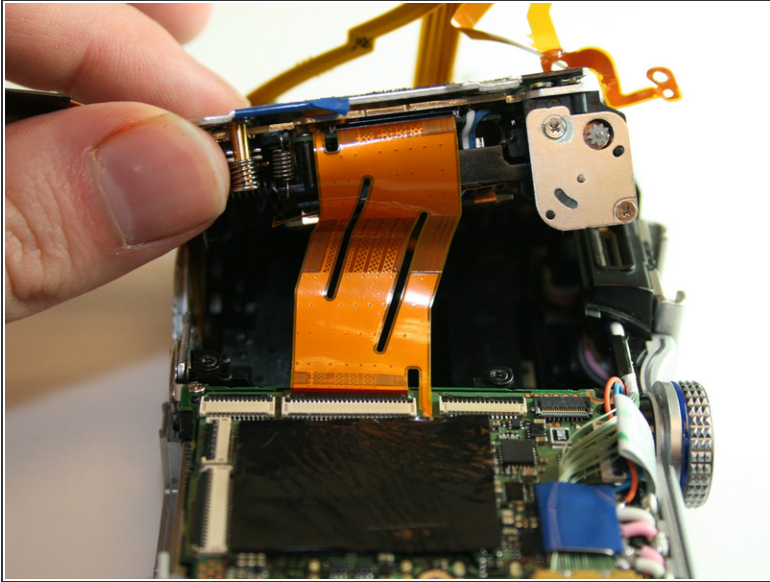


- Now you can lift out the sensor assembly. The following steps will explain how to lift it out.
- First, slightly lift the bottom half following the direction of the arrow.
- Second, lift the top left up side up. It may be a little stuck so you will have to wiggle it out.
- Finally, pull the entire assembly towards the bottom and away from the case.



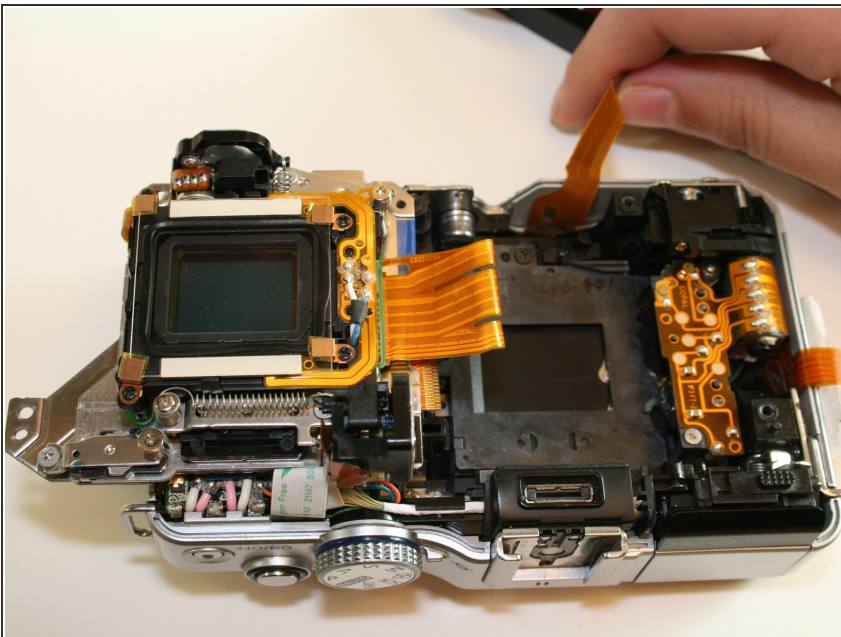
There is a ribbon connector that is beneath the assembly. Be careful when lifting the assembly out. Do not yank it out very hard or you may damage the ribbon connector.

Step 13



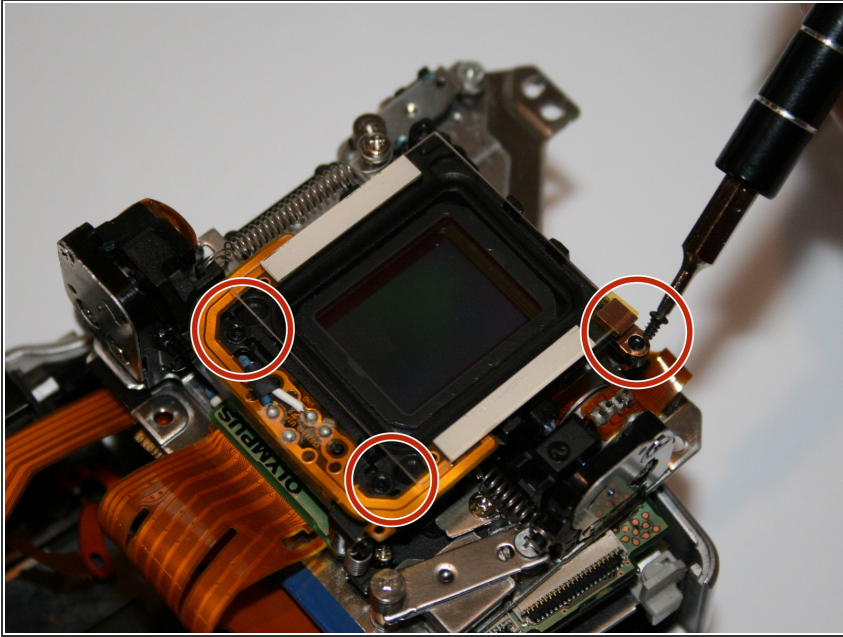
- This is the sensor assembly with the photo showing the connected ribbon cable.
- ☑ *There are three washers held in by the 6.0 mm screws as shown in picture two. Be sure to replace them when reassembling.*

Step 14



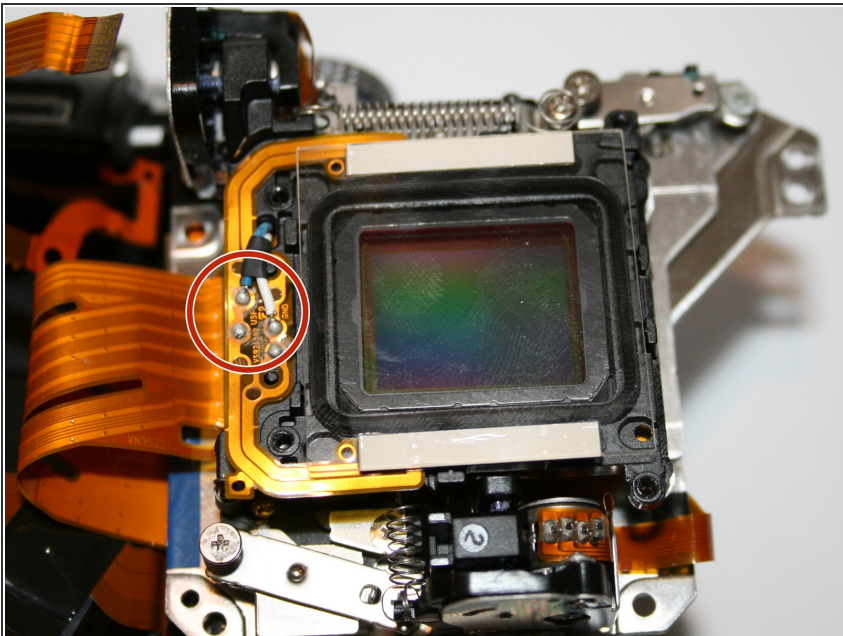
- The sensor assembly has been removed.

Step 15 — Sensor Lens



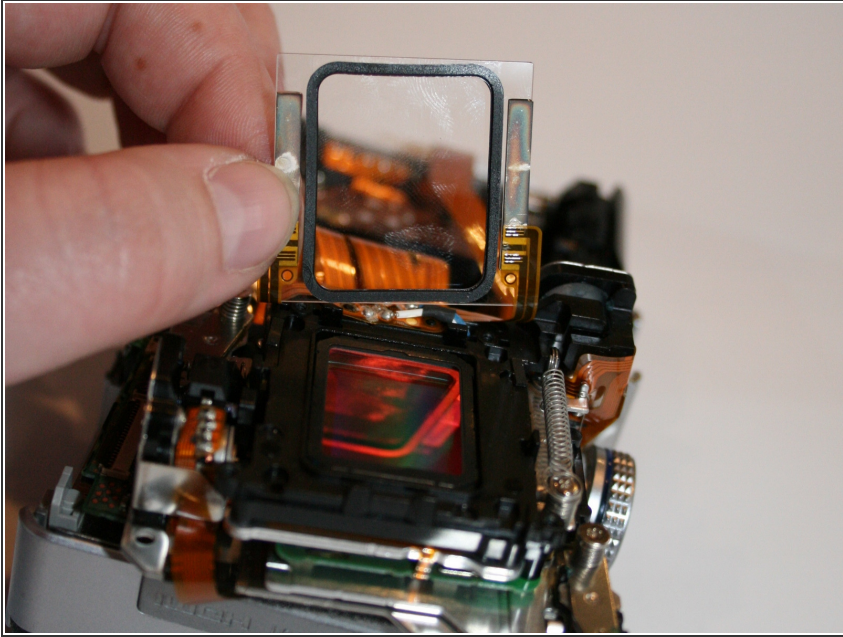
- Remove the 3 screws surrounding the sensor lens with a #000 Phillips screwdriver.

Step 16



- Using a soldering iron and soldering wick desolder the two wires connecting the lens.
- ★ **take note of the colors of the wire as the new lens must be attached in the same manner.**
- Solder in the new lens. Be sure to match the wire color to the original wire placement.

Step 17



- Remove the sensor lens by pulling back as shown.

To reassemble your device, follow these instructions in reverse order.

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